Installation Instructions for EZ*flow* Systems in Wisconsin

Wisconsin Department of Commerce, Safety and Buildings Division, has reviewed the specifications and/or plans for this product and determined it to be in compliance with chapters Comm 82 through 84, Wisconsin Admin. Code, and Chapters 145 and 160, Wisconsin Statutes. All sites must meet the Site & Soil Conditions & Locations & Isolation distances as noted in local regulations.

The approved products are 1203H (3-12" bundles with pipe in center bundle in 5' or 10' lengths) and 1203HP (3-12" bundles with pipe in each bundle in 5' or 10' lengths.

A single pipe bundle contains a four inch perforated pipe surrounded by EPS aggregate and is held together with polyehtylene netting. A single aggregate bundle contains aggregate only and is held together with polyethylene netting.

Materials and Equipment Needed

- EZflow Bundles
- EZflow Geotextile Fabric
- EZflow Internal Pipe Couplers
- Pipe for Header and Inlet
- Backhoe/Excavator

Installation Instructions

The instructions for installation of EZflow products are given below. This product must be installed in accordance with state rules defined in chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes, as well as the local health department's current design manual.

1. After the local health department has determined sizing, configuration, and layout for the EZflow systems, stake or mark with paint the location of trenches and lines. Be careful to set correct tank, invert pipe, header line or distribution box and trench bottom elevations before installation of pipe bundles.

2. Remove plastic EZflow shipping bags prior to placing bundles in the trench(es). Remove any plastic bags in the trench before system is covered.

3. This product must have geotextile fabric that meets requirements of s. Comm 84.30 (6) (g), Wis. Adm. Code, installed directly on top of the product and extending down along the sides of the product to a point at least six inches from the bottom of product.

4. When installed in a trench, the trench should be dug to a width of 36 inches. This not only saves labor in excavation, but also provides better load-bearing capacity after backfilling is complete.

5. The Absorption area (SF) necessary for a given site shall be sized based on maximum daily sewage flow (GPD) and the Permeability for the site. If certain criteria is met, the EISA sizing can be used in Wisconsin, resulting in a 40% smaller drainfield.

6. Place EZflow bundle(s) in the EZflow configuration approved by system design permit specified for the particular site. The top or center-most bundles containing pipe are joined end to end with an internal pipe coupler. Any additional aggregate only bundles that may be required, should be butted against the other aggregate-only bundles and do not require any type of connection.

7. The top of each GEO cylinder contains a filter fabric premanufactured in between the netting and aggregate. The fabric is inserted to prevent soil intrusion. The installer shall make sure the the GEO is positiioned upward and is in contact with the fabric contained in the adjacent cylinder before backfilling.

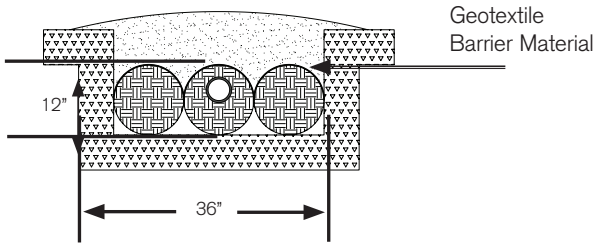
8. The EZflow Drainfield Systems should be installed in a level trench in all directions (both across and along the trench bottom) and should follow the contour of the ground surface elevation (uniform depth), with all continuous adjoining 10-foot cylindrical bundles placed end to end, with central bundle distribution pipe interconnected, without any dams, stepdowns or other water stops.

9. The trench top shall be graded such that water will not pond. Backfill should be seeded or sodded immediately after completion to reduce erosion.

10. EZflow EPS bundles are flexible and can fit in curved trenches as may be necessary to avoid trees, boulders, or other obstacles.

11. EPS aggregate is lighter than water, therefore, it might be expected that natural buoyancy forces would tend to cause EZflow assemblies to float out of ground when ponding occurs. Field experience has shown, however, that this is not a problem when systems have a minimum of 6" of soil cover as recommended by manufacturer.

1203H-GEO



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